



16191 U.S. PTO

041604

UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.: 09792486-0145

First Named Inventor: FURUKAWA, A.

Title: A Magnetic Head Using Magneto-Resistive Effect
and a Manufacturing Method Thereof

Express No. EV328241849US

Date of Deposit: April 16, 2004

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Mail Stop PATENT APPLICATION
Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-14501. ☒ This Form includes the Fee Transmittal (See Box 19)
(Submit an original and a duplicate for fee processing)2. ☐ Applicant claims small entity status. (See 37 CFR 1.27)3. ☒ Specification [Total Pages 65]4. ☒ Drawing(s) (35 USC 113) [Total Sheets 38]5. ☒ Declaration and Power of Attorney [Total Pages 3]a. ☐ Newly unexecuted (original or copy)b. ☒ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).6. ☐ Application Data Sheet. See 37 CFR 1.767. ☐ CD-ROM or CD-R in duplicate8. ☐ Nucleotide and/or Amino Acid Sequence Submissiona. ☐ Computer Readable Form (CRF)b. ☐ Specification Sequence Listing on:i. ☐ CD-ROM or CD-R in duplicate; orii. ☐ paperc. ☐ Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s)) COPY
FROM PARENT CASE - 10/218,24710. ☐ Letter under 37 CFR 1.41(c)11. ☐ English Translation Document (if applicable)12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS
Citations13. ☒ Preliminary Amendment14. ☒ Return Receipt Postcard (MPEP 503)15. ☐ Certified copy of _____ Priority Document:
Document No. _____, filed on _____.16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(I).
Applicant must attach form PTO/SB/35 or its equivalent.17. ☐ Other:18. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary
amendment, or in an Application Data Sheet under 37 CFR 1.76:☐ Continuation☒ Divisional☐ Continuation-in-part (CIP)

of prior application no.: 10/218,247

Prior application information:

Examiner Name: Heinz, A.

Group Art Unit: 2653

For **CONTINUATION OR DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference.
The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. FEE CALCULATIONS:

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) BASIC FEE \$770.00
	TOTAL CLAIMS	6		\$18.00	\$0.00
	INDEPENDENT CLAIMS	2		\$86.00	\$0
	ANY MULTIPLE DEPENDENT CLAIMS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			\$290.00	\$290.00
				SUBTOTAL	\$1060.00

a. ☒ In connection with this application, the Commissioner is hereby authorized to credit overpayments or to charge any
additional fee required to Deposit Account No. 19-3140. **A duplicate copy of this sheet is enclosed.**b. ☒ The enclosed credit card payment form to charge the amount of \$1060.00 covers the total claim fee.20. ☒ Customer No. 26263
Dated: April 16, 2004SIGNATURE: David R. Metzger

David R. Metzger, Reg. No. 32,919

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Date of Deposit: April 16, 2004

I hereby certify that this correspondence is being deposited with the United States Postal "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to Mail Stop Patent Application, Commissioner of Patents, P. O. Box 1450, Alexandria, VA 22313-1450

Applicant(s): Furukawa, A. et al.

Attorney Docket No. 09792486-0145

Transmittal (1 page - in duplicate)

Specification, including claims and abstract (65 pages)

Drawings (38 pages - Figs 1-66)

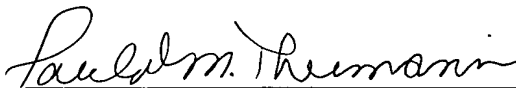
Preliminary Amendment (5 pages)

Information Disclosure Statement with cited references, Search report and Form 1449

Declaration - executed 3 pages

Copy of recorded assignment from parent application

Return postcard



Signature of Person Mailing Application and Fees
Paula M. Theismann